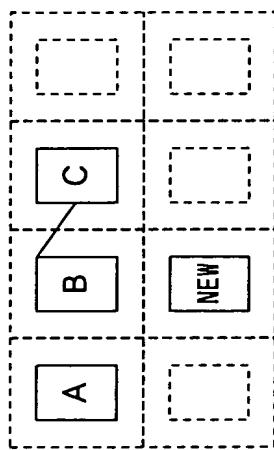
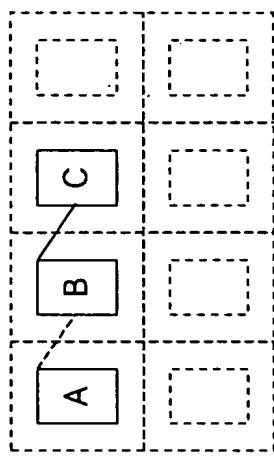


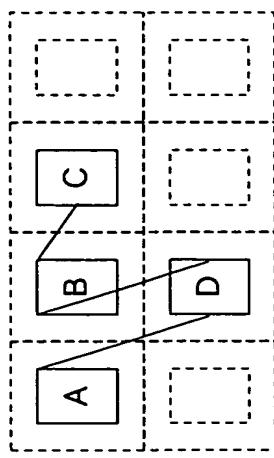
F I G. 1 A



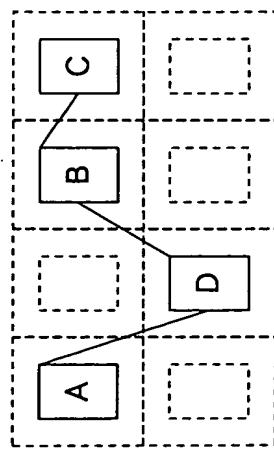
F I G. 1 C



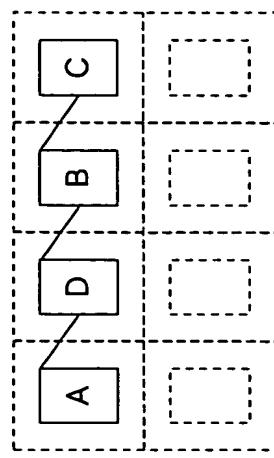
F I G. 1 B



F I G. 1 D

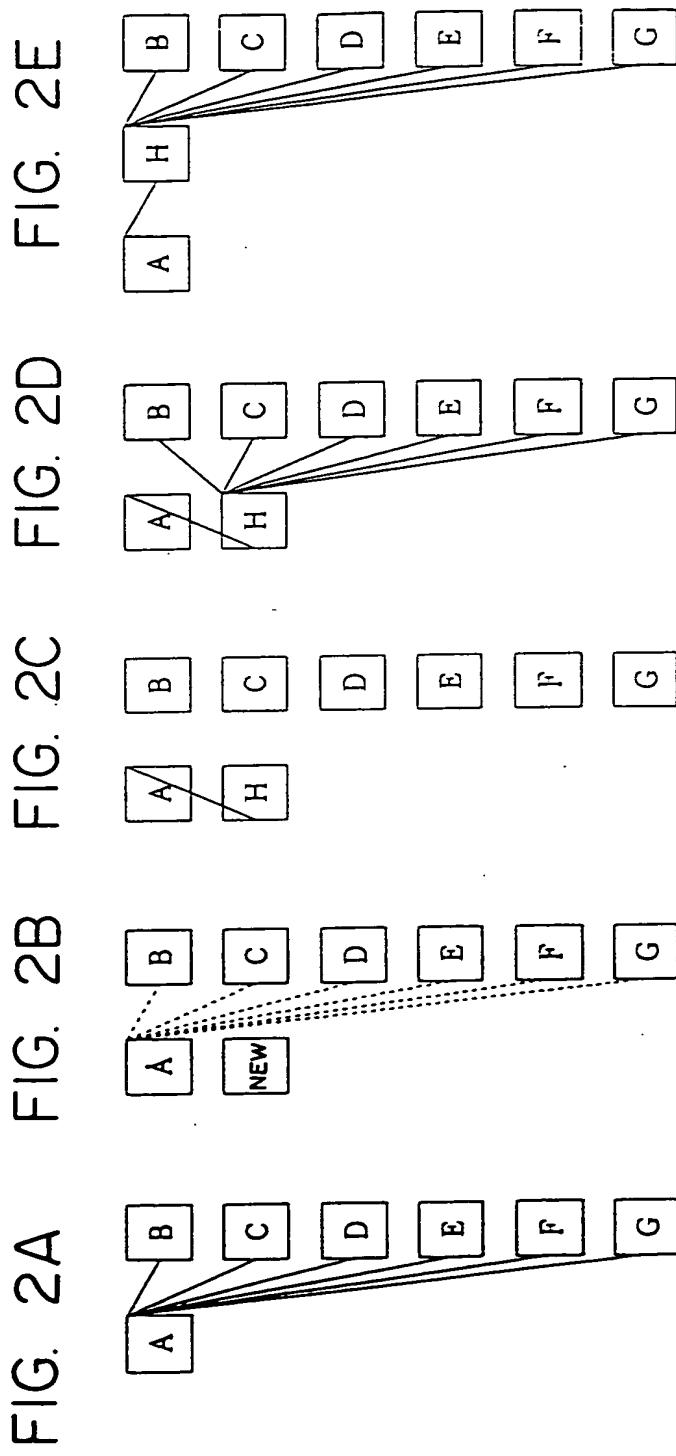


F I G. 1 E



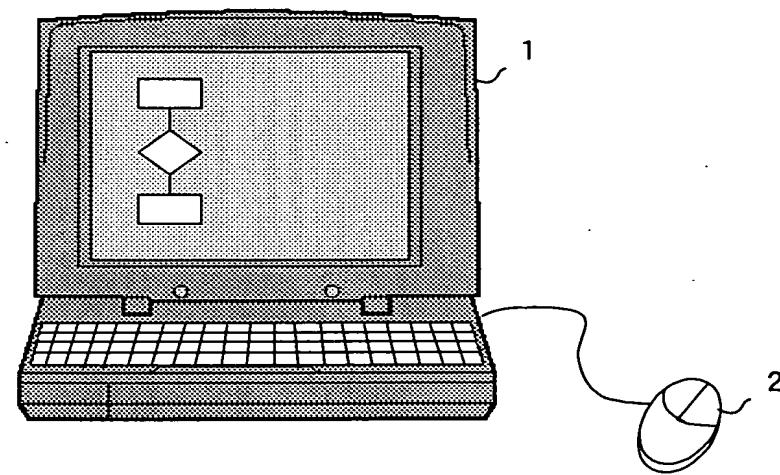
F I G. 1 F

APPROVED BY	O.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS



APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

SEARCHED SERIALIZED INDEXED



F I G. 3

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLAS

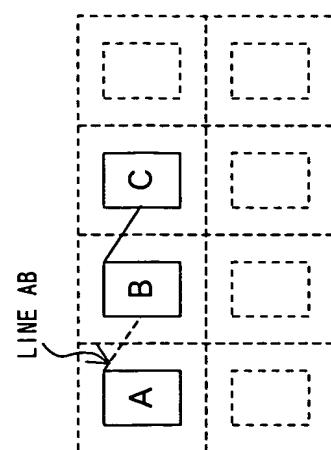


FIG. 4B

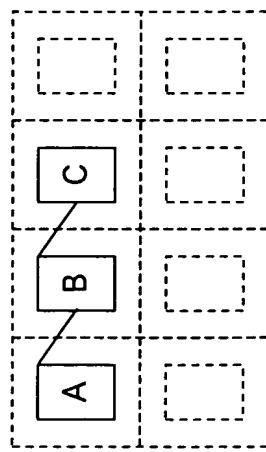


FIG. 4A

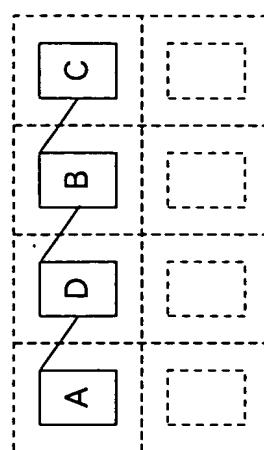


FIG. 4D

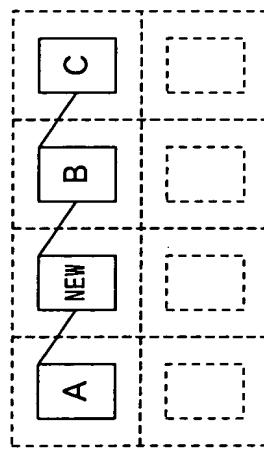
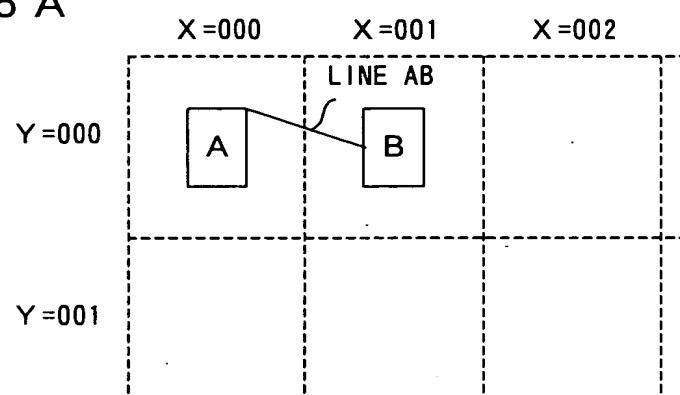


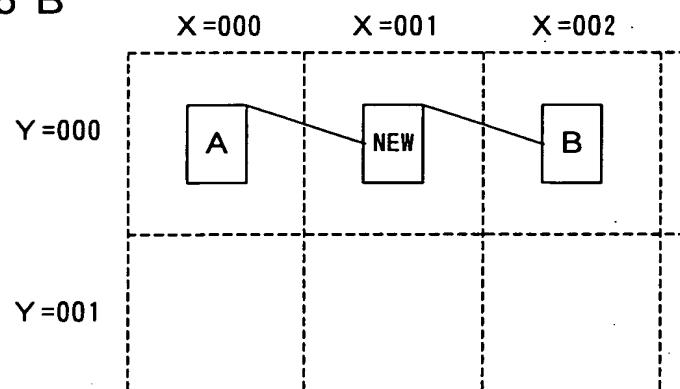
FIG. 4C

APPROVED	O.G. FIG.
BY	CLASS SUBCLA
CRAFTSMAN	

F I G. 5 A



F I G. 5 B



APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY 1	DISPLAY INFORMATION	POSITION INFORMATION	ADDITIONAL INFORMATION
00	A	31	
01	B	30	
02			

F I G. 6 A

VALUE OF THE ARRAY 4
OF DATA TABLE

ARRAY 2	FRONT INFORMATION	REAR INFORMATION	ADDITIONAL INFORMATION
10	00	01	
11			

F I G. 6 B

VALUE OF THE ARRAY 1 OF OBJECT
INFORMATION TABLE

ARRAY 3	SELECTION INFORMATION	ADDITIONAL INFORMATION
20	10	
21		

F I G. 6 C

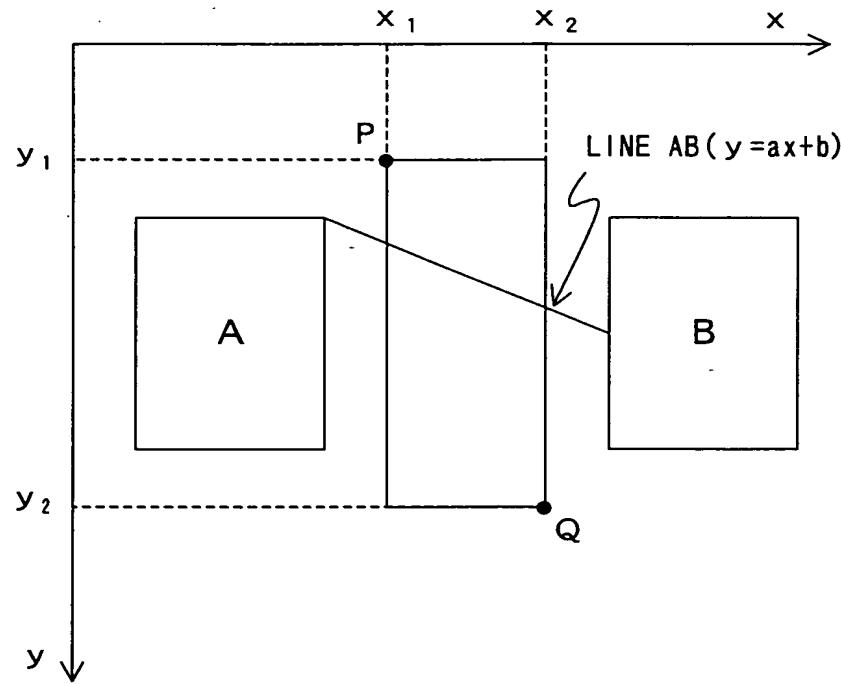
VALUE OF THE ARRAY 2 OF LINE
INFORMATION TABLE

ARRAY 4	NAME OF DATA	PRECEDING INFORMATION	X COORDINATE	Y COORDINATE	ADDITIONAL INFORMATION
30	B	A	001	000	
31	A		000	000	
32					

F I G. 6 D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Digitized by srujan ka



F I G. 7

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 8A

ARRAY 4	NAME OF DATA	PRECEDING INFORMATION	X COORDINATE	Y COORDINATE	ADDITIONAL INFORMATION
30	B	A	0 0 1	0 0 0	
31	A		0 0 0	0 0 0	
32			0 0 1	0 0 0	

FIG. 8B

ARRAY 2	FRONT INFORMATION	REAR INFORMATION	ADDITIONAL INFORMATION
10	0 0	0 1 → 0 2	
11	0 2	0 1	

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY 1	DISPLAY INFORMATION	POSITION INFORMATION	ADDITIONAL INFORMATION
00	A	31	
01	B	30	
02	NEW	32	

F I G. 9 A

↓
VALUE OF THE ARRAY 4
OF DATA TABLE

ARRAY 2	FRONT INFORMATION	REAR INFORMATION	ADDITIONAL INFORMATION
10	00	02	
11	02	01	

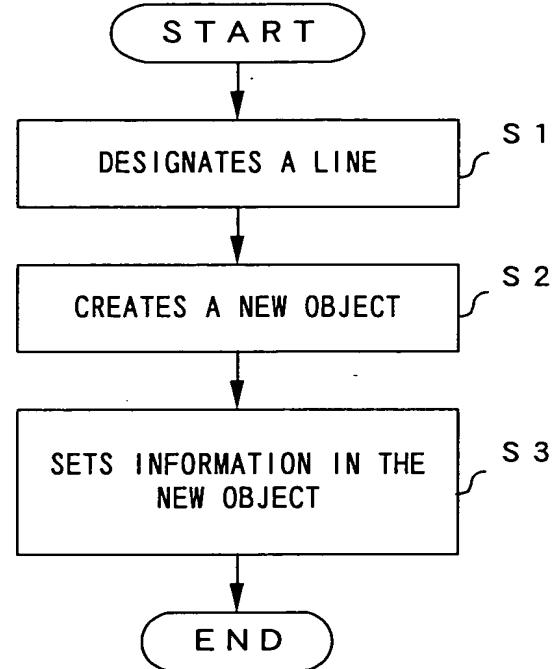
F I G. 9 B

↓
↓
VALUE OF THE ARRAY 1 OF OBJECT
INFORMATION TABLE

ARRAY 4	NAME OF DATA	PRECEDING INFORMATION	X COORDINATE	Y COORDINATE	ADDITIONAL INFORMATION
30	B	—	002	000	
31	A	—	000	000	
32	NEW	A	001	000	

F I G. 9 C

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	



F I G. 1 0

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

SEARCHED _____ SERIALIZED _____ INDEXED _____ FILED _____

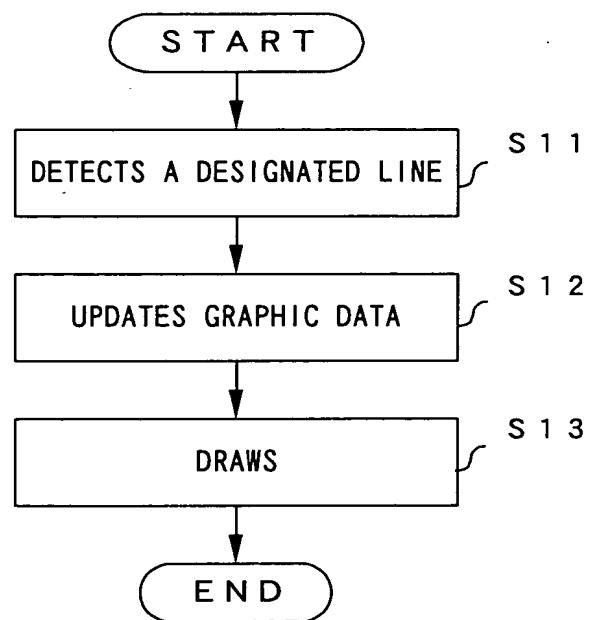
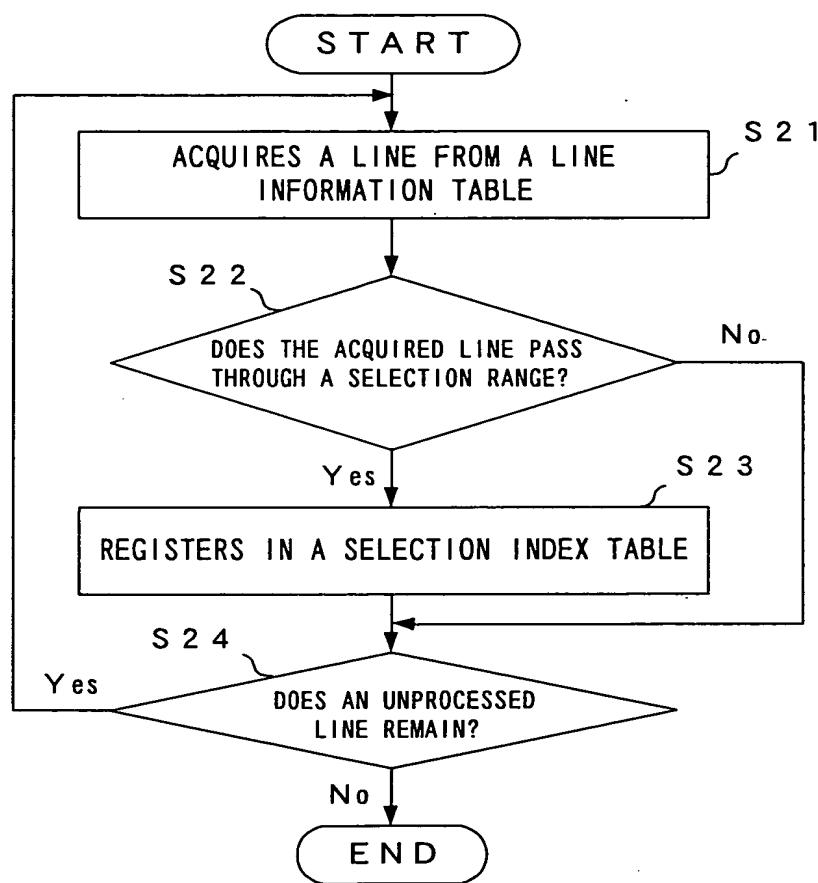


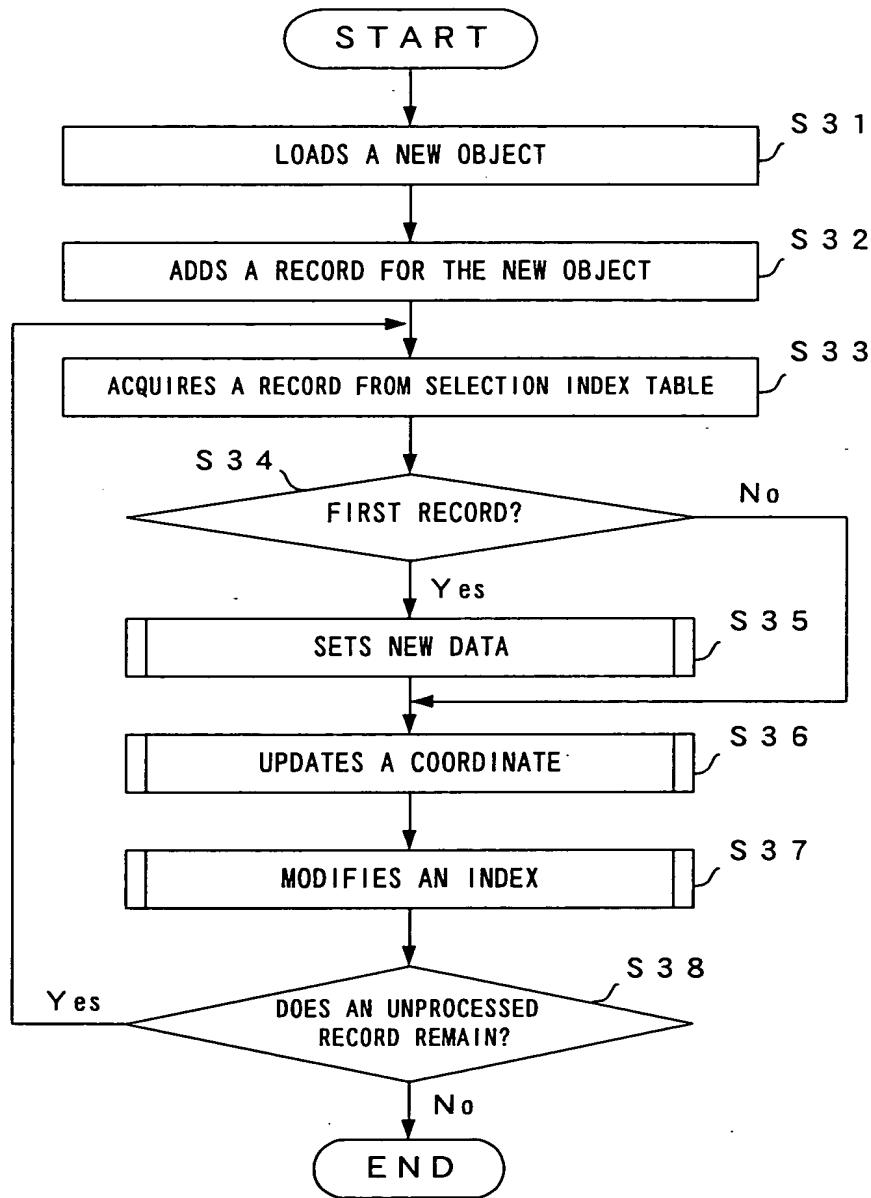
FIG. 11

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



F I G. 1 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



F I G. 1 3

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

CONTINUE ON OTHER SIDE

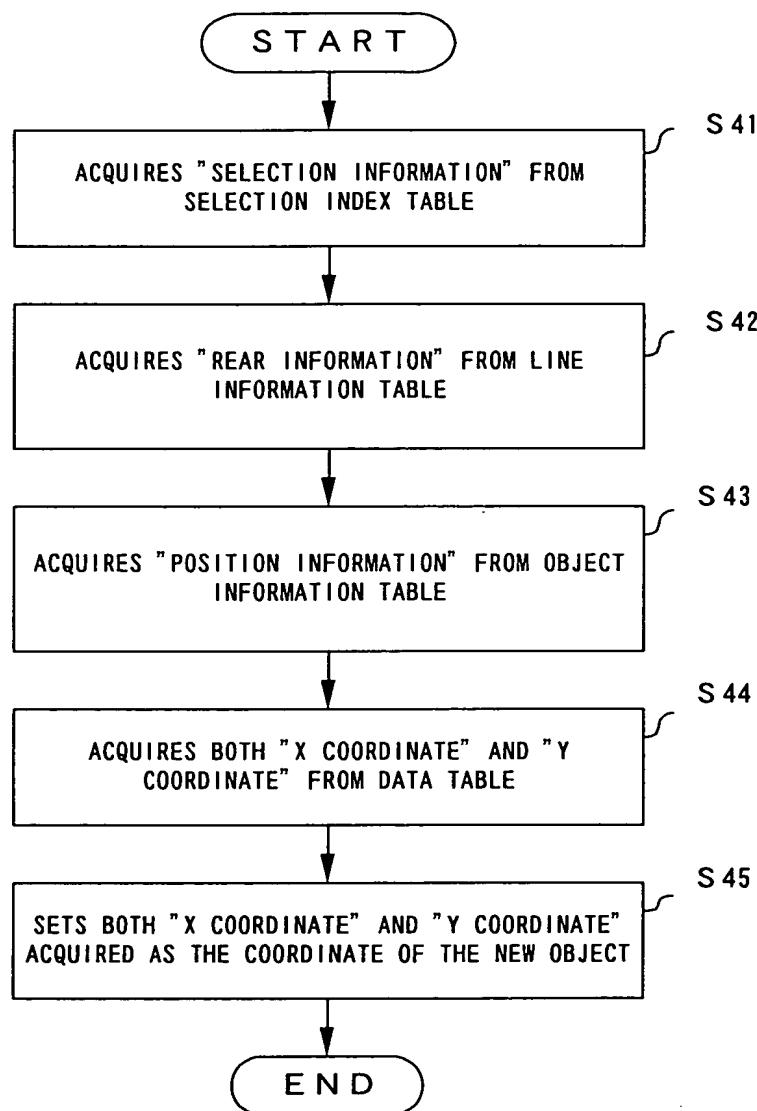
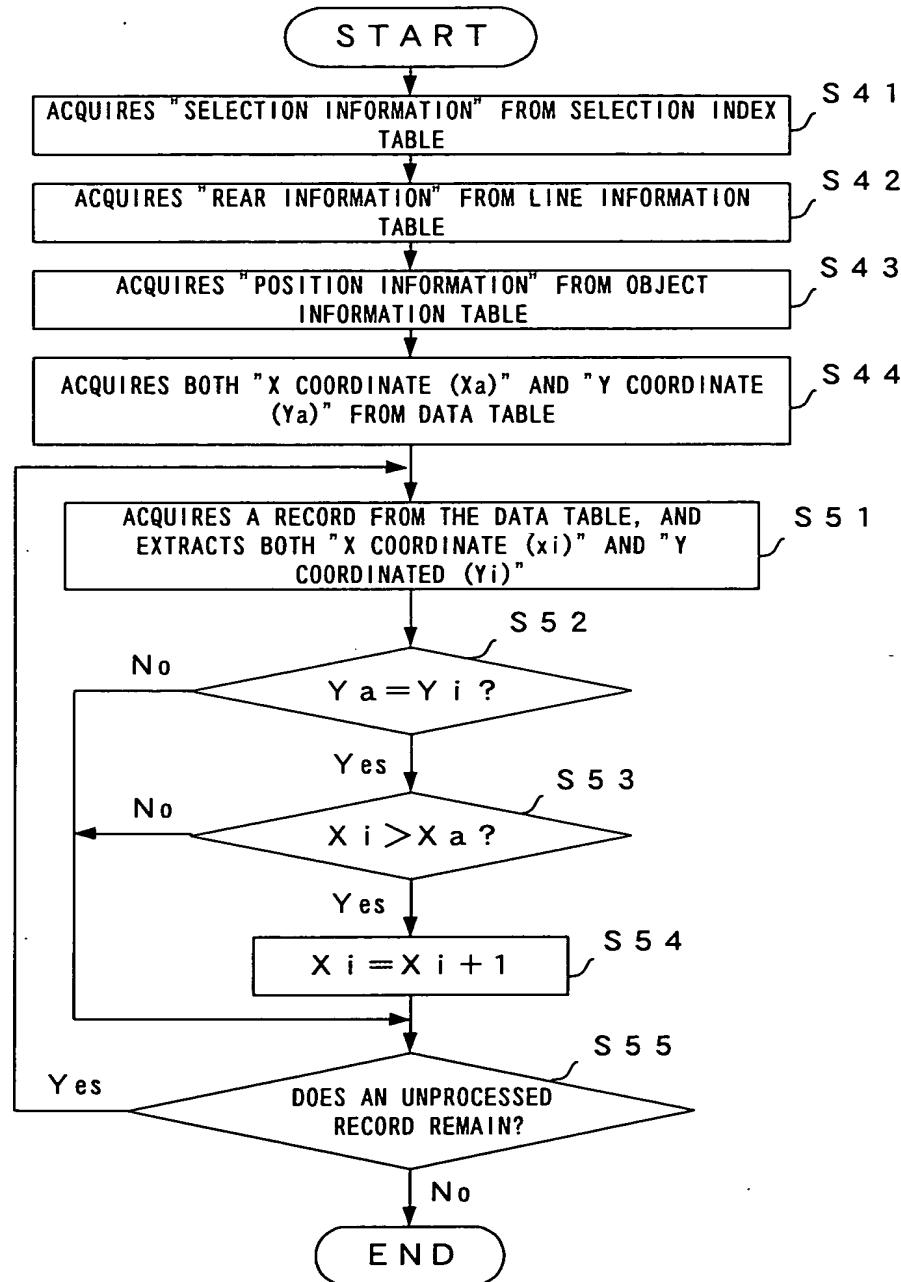


FIG. 14

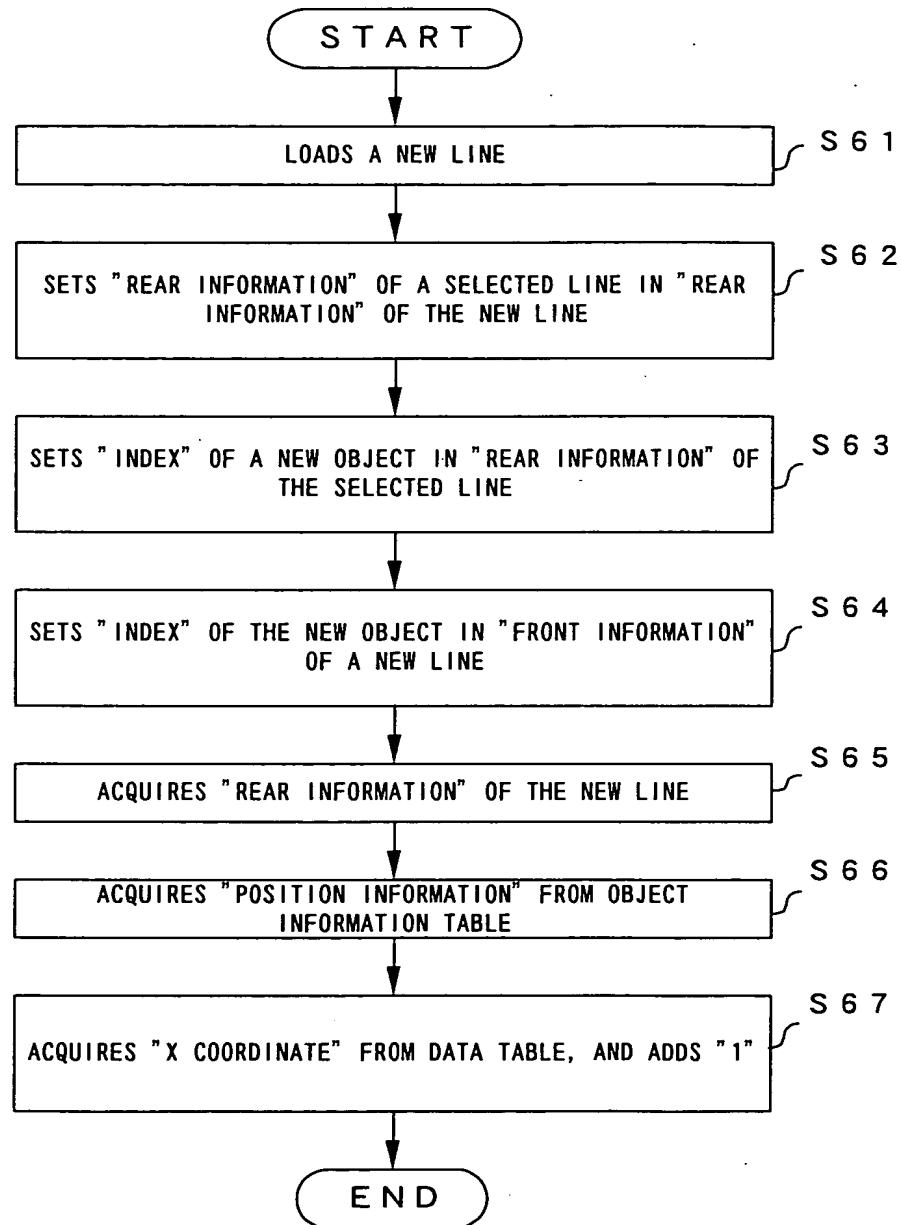
APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

GATEWAY SYSTEM



F I G. 1 5

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



F I G. 16

APPROVED BY	Q.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

FIG. 17 A

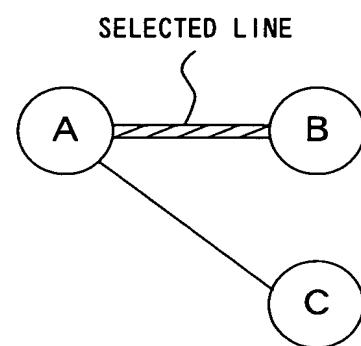
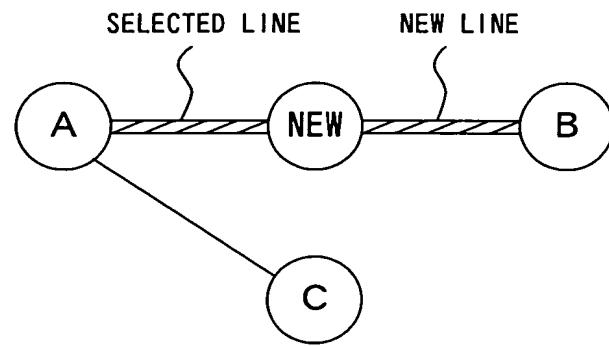
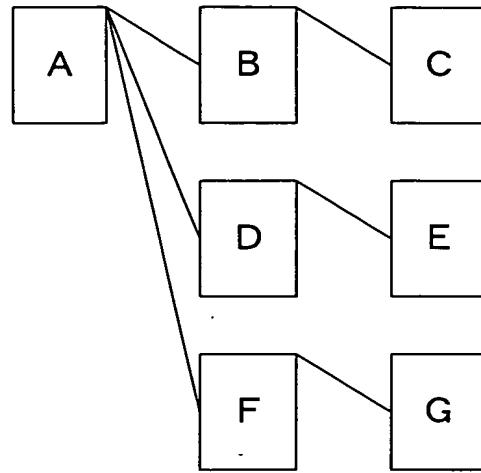


FIG. 17 B

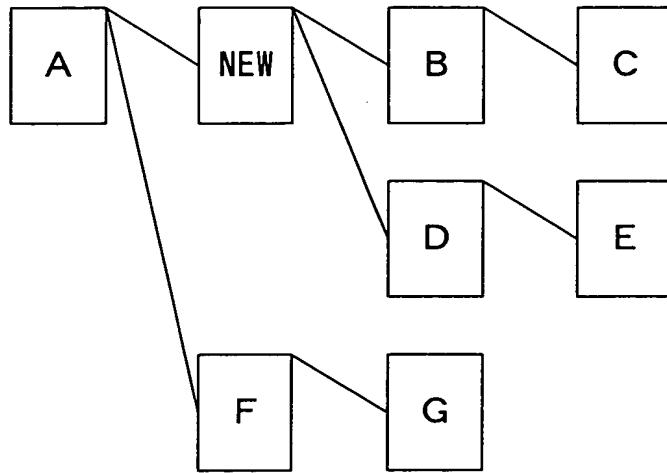


APPROVED	O.G. FIG.
BY	CLASS
BRAFTSMAN	SUBCLASS

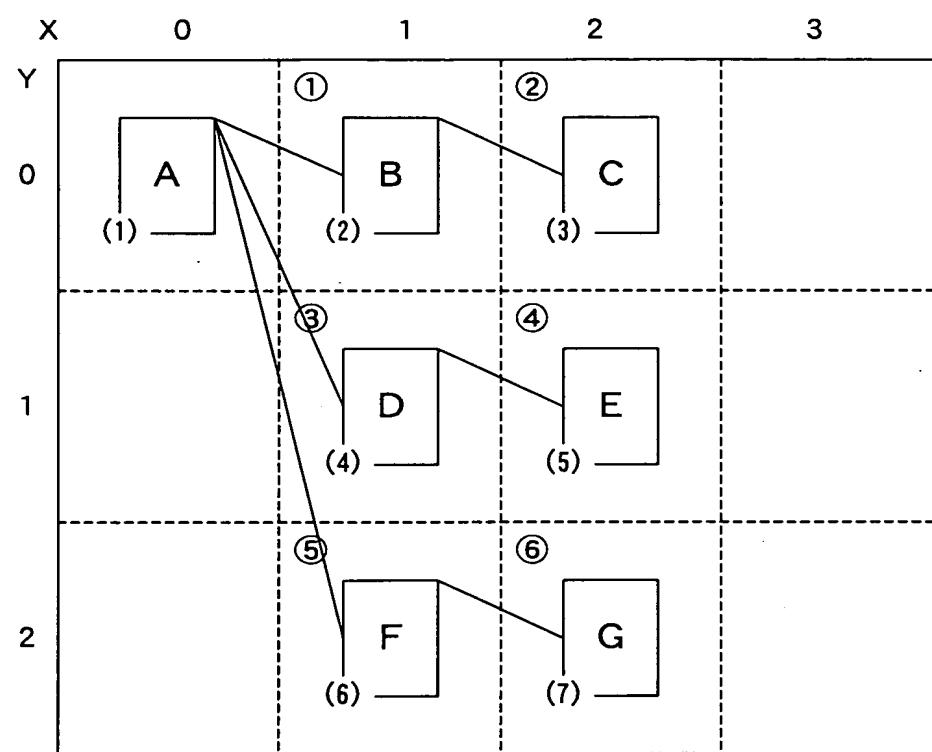
F I G. 18A



F I G. 18 B



APPROVED BY DRAFTSMAN	O.G. FIG.	CLASS	SUBCLASS
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F I G. 19

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	001	000	
3	(3)	C	002	000	
4	(4)	D	001	001	
5	(5)	E	002	001	
6	(6)	F	001	002	
7	(7)	G	002	002	

FIG. 20A

ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	1	2
2	②	2	3
3	③	1	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7

FIG. 20B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 21A

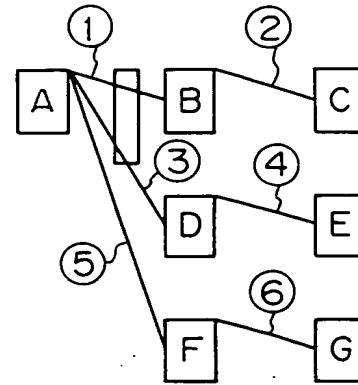


FIG. 21B

ARRAY 3	
INDEX	SELECTED POSITION
1	1
2	3

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	001	000	
3	(3)	C	002	000	
4	(4)	D	001	001	
5	(5)	E	002	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)				

FIG. 22 A

NEW RECORD
IS ADDED

ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	1	2
2	②	2	3
3	③	1	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7
7	⑦		

NEW RECORD
IS ADDED

FIG. 22 B

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY3 INDEX	SELECTED POSITION
1	1
2	3

ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	1	2
2	②	2	3
3	③	1	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7
7	⑦		

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	000	000	
3	(3)	C	002	000	
4	(4)	D	001	001	
5	(5)	E	002	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)		001	000	

F I G. 23

APPROVED BY	O.G. FIG.
DRAFTSMAN	CLASS SUBCLASS

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	001	000	
3	(3)	C	002	000	
4	(4)	D	001	001	
5	(5)	E	002	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)		001	000	

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	002	000	
3	(3)	C	003	000	
4	(4)	D	001	001	
5	(5)	E	002	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)		001	000	

ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	1	2
2	②	2	3
3	③	1	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7
7	⑦		8

F I G. 24

APPROVED	Q.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY3 INDEX	SELECTED POSITION		
ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	1	2
2	②	2	3
3	③	1	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7
7	⑦	1	8

F I G. 25 A

ARRAY3 INDEX	SELECTED POSITION		
ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	8	2
2	②	2	3
3	③	1	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7
7	⑦	1	8

F I G. 25 B

APPROVED BY	O.G. FIG.	
	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY3 INDEX	SELECTED POSITION
1	1
2	3

ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	1	2
2	②	2	3
3	③	1	4
4	④	4	1
5	⑤	1	6
6	⑥	6	7
7	⑦	1	8

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	002	000	
3	(3)	C	003	000	
4	(4)	D	001	001	
5	(5)	E	002	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)		001	000	

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	002	000	
3	(3)	C	003	000	
4	(4)	D	002	001	
5	(5)	E	003	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)		001	000	

FIG. 26

APPROVED BY	Q.G. FIG.	
DRAFTSMAN	CLASS	SUBCLASS

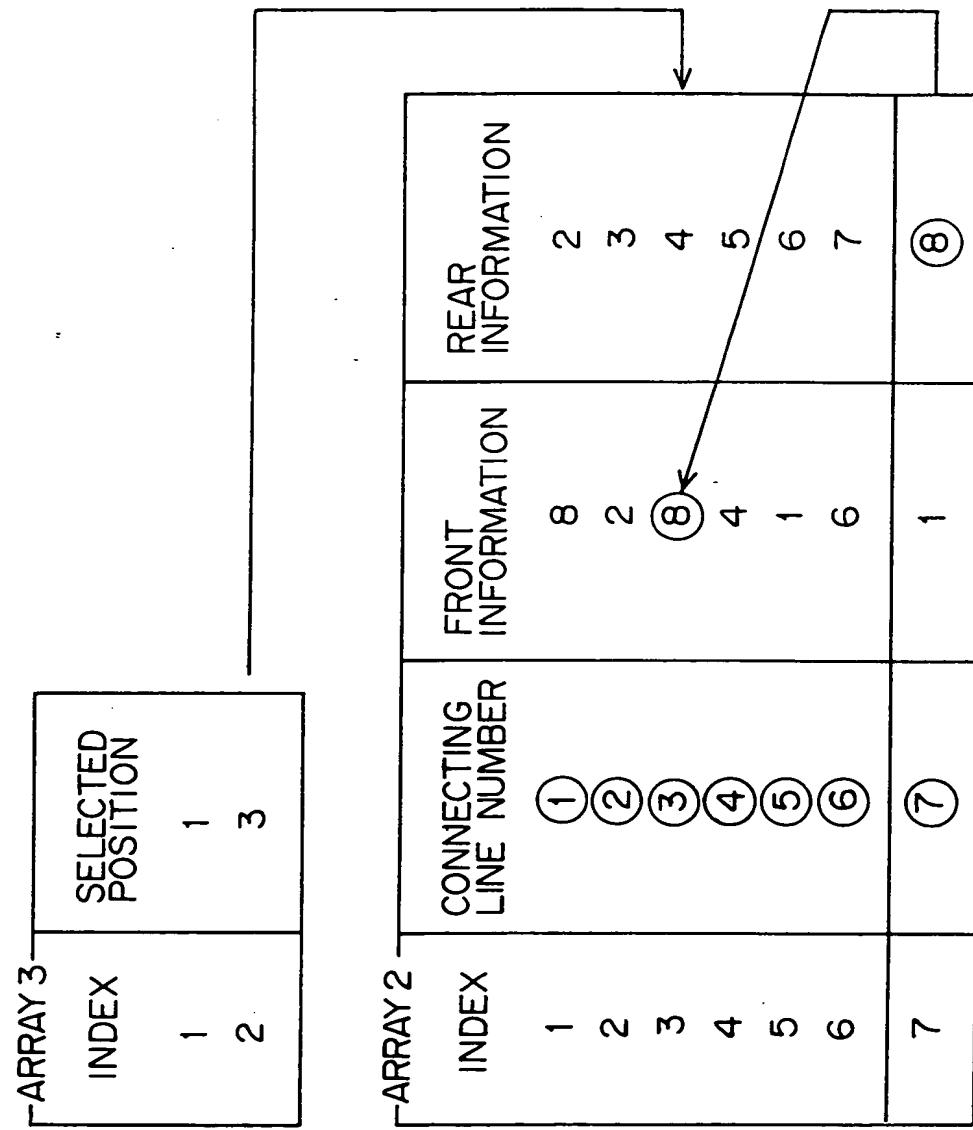


FIG. 27

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

ARRAY1 INDEX	OBJECT NUMBER	DISPLAY INFORMATION	VIRTUAL X COORDINATE	VIRTUAL Y COORDINATE	ADDITIONAL INFORMATION
1	(1)	A	000	000	
2	(2)	B	002	000	
3	(3)	C	003	000	
4	(4)	D	002	001	
5	(5)	E	003	001	
6	(6)	F	001	002	
7	(7)	G	002	002	
8	(8)		001	000	

FIG. 28 A

ARRAY2 INDEX	CONNECTING LINE NUMBER	FRONT INFORMATION	REAR INFORMATION
1	①	8	2
2	②	2	3
3	③	8	4
4	④	4	5
5	⑤	1	6
6	⑥	6	7
7	⑦	1	8

FIG. 28 B

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

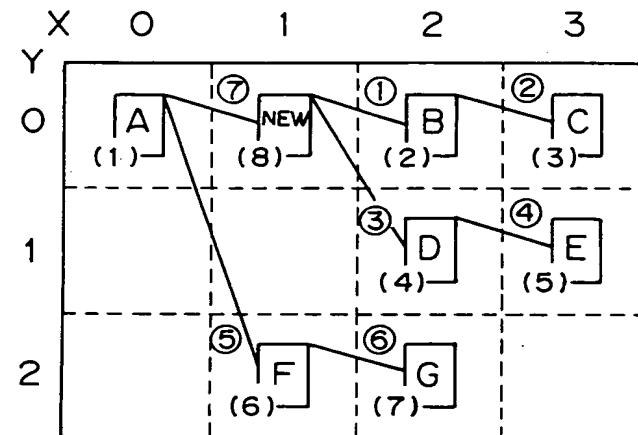


FIG. 29

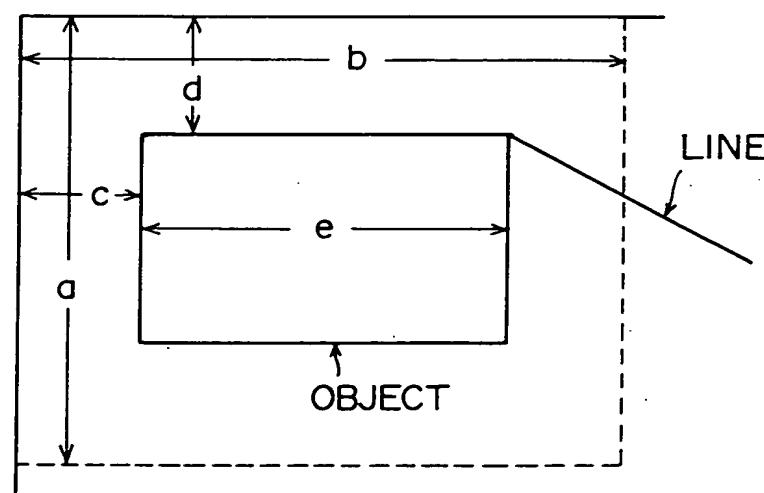
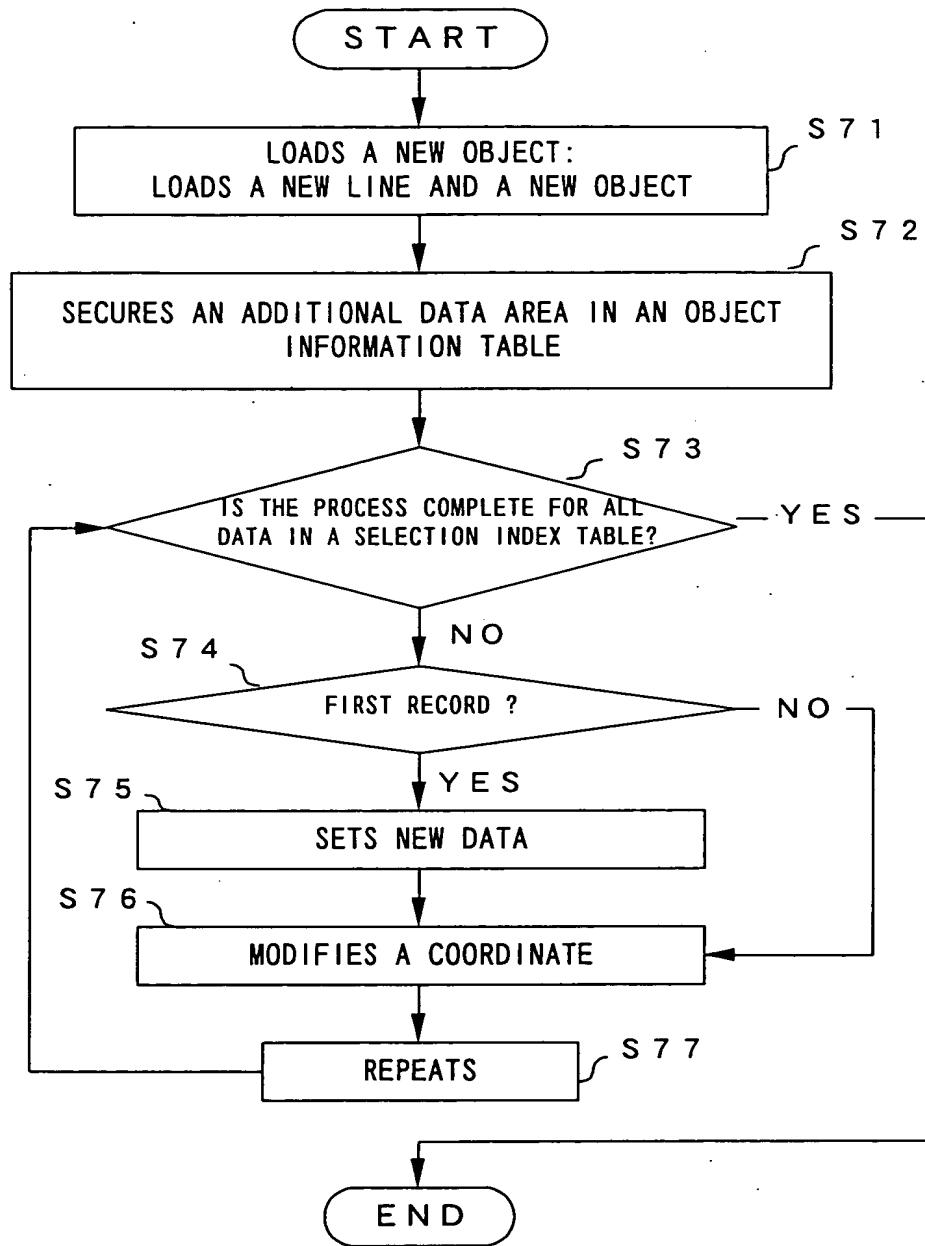


FIG. 30

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	



F I G . 3 1

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

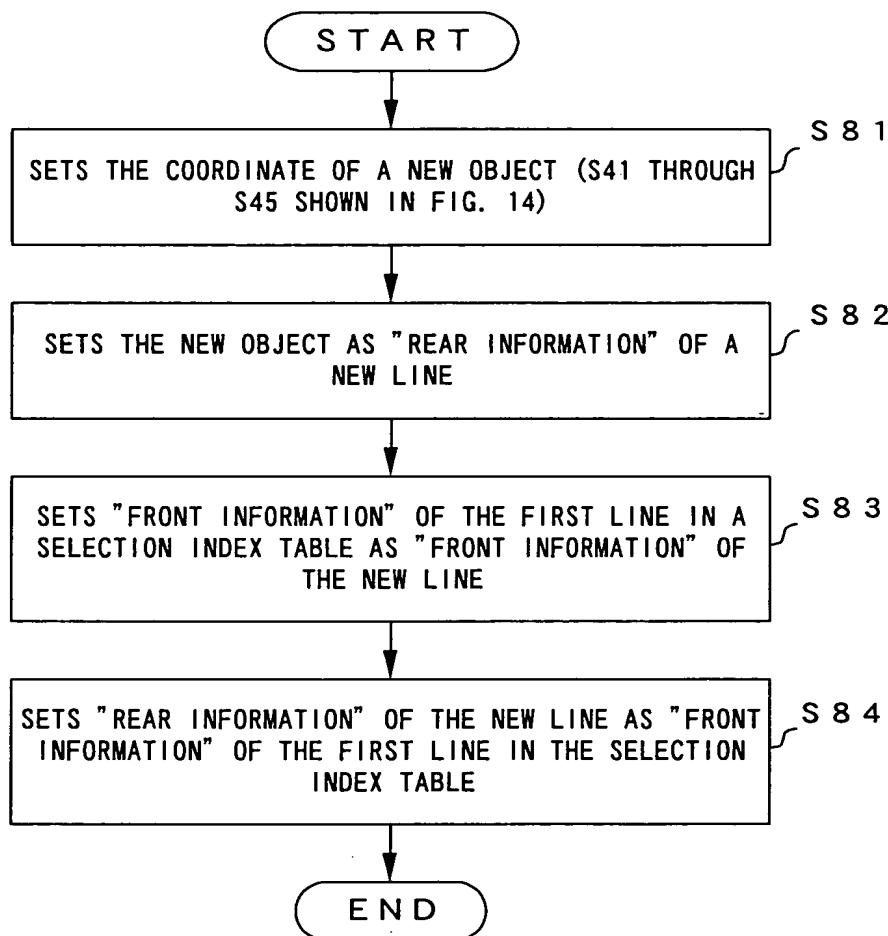
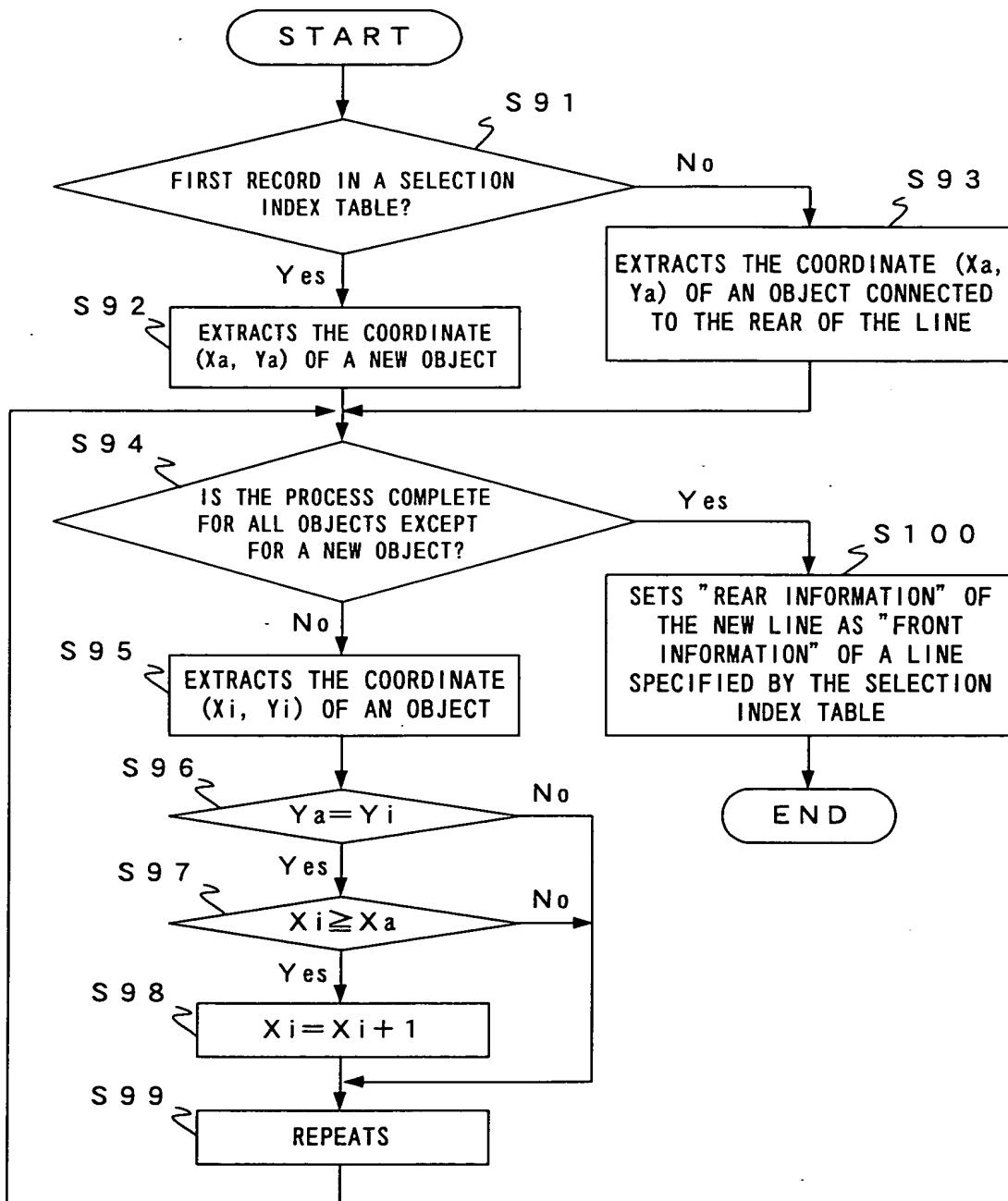


FIG. 32

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



F I G. 33

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

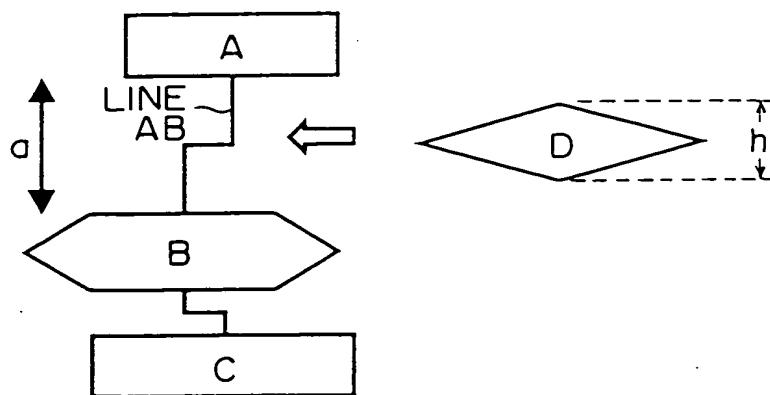


FIG. 34A

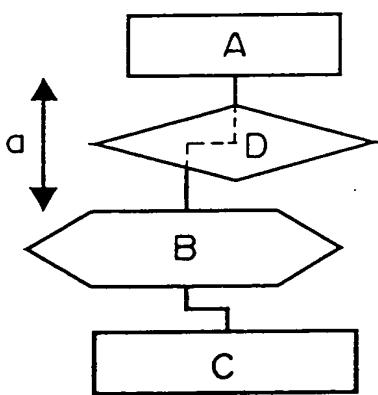


FIG. 34B

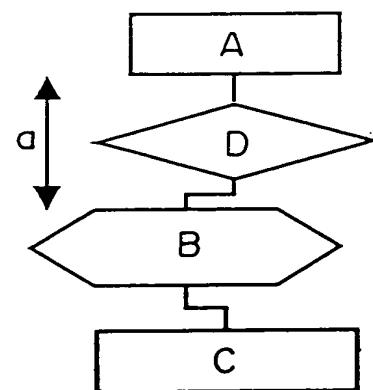


FIG. 34C

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

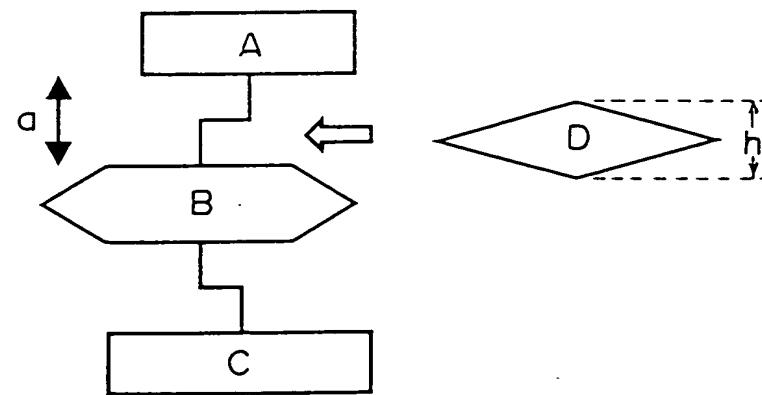


FIG. 35A

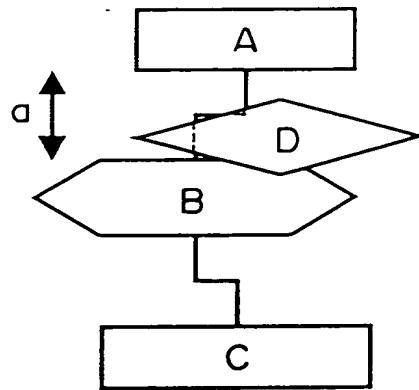
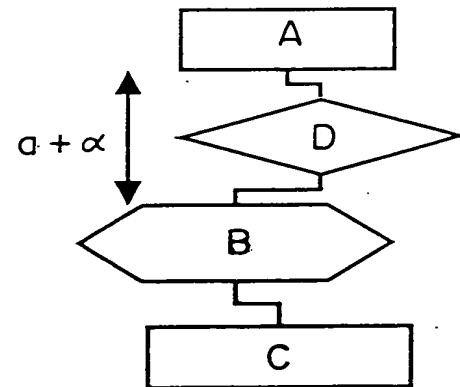


FIG. 35B



$$(a + \alpha > h)$$

FIG. 35C

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

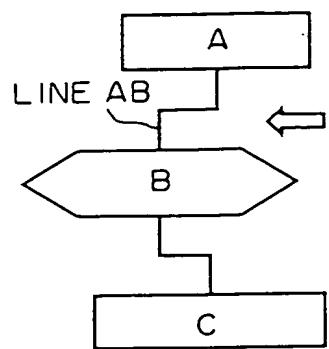


FIG. 36A

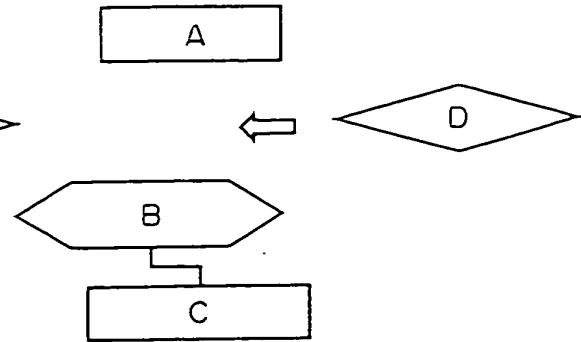


FIG. 36B

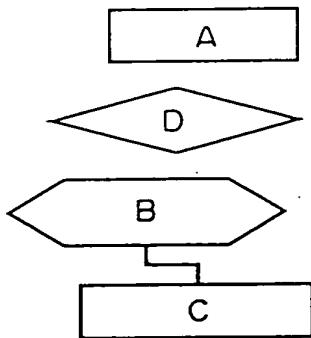


FIG. 36C

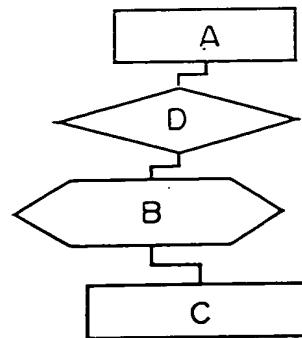


FIG. 36D

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

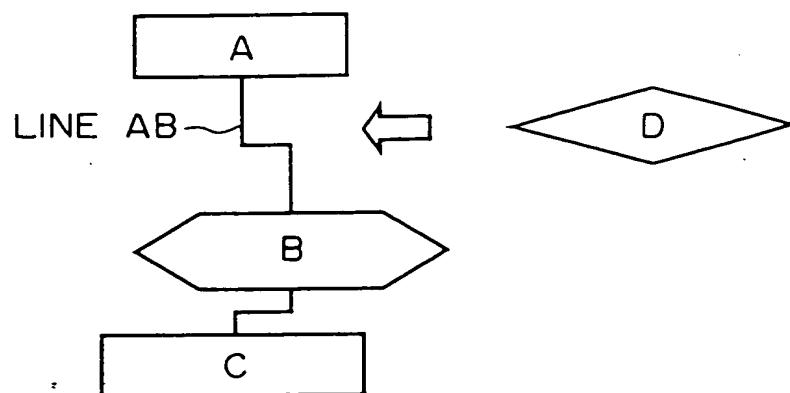


FIG. 37A

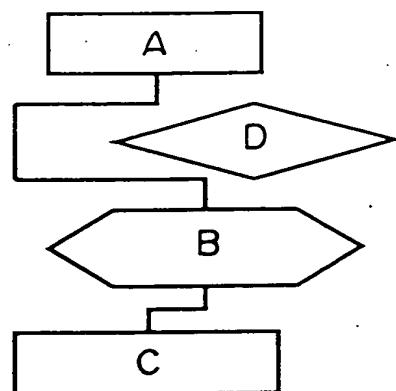


FIG. 37B

APPROVED	O.G.H.C.
BY	CLASS SUBCLASS
DRAFTSMAN	

F | G. 3 8 A

INDEX	NAME OF OBJECT	COORDINATE	SHAPE	HEIGHT	WIDTH	-----
1	A	(Px, Py)	RECTANGLE	P H	P W	
2	B	(Qx, Qy)	RECTANGLE	Q H	Q W	
3	C	(Mx, My)	RECTANGLE	M H	M W	

ADDED →

F | G. 3 8 B

INDEX	NAME OF LINE	FRONT INFORMATION	STARTING POINT COORDINATE	REAR INFORMATION	END POINT COORDINATE	HEIGHT
1	D	A	(Lsx, Lsy)	B	(Ex, Ey)	L H
2	E		(Nsx, Nsy)		(Nx, Ny)	N H

ADDED →

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

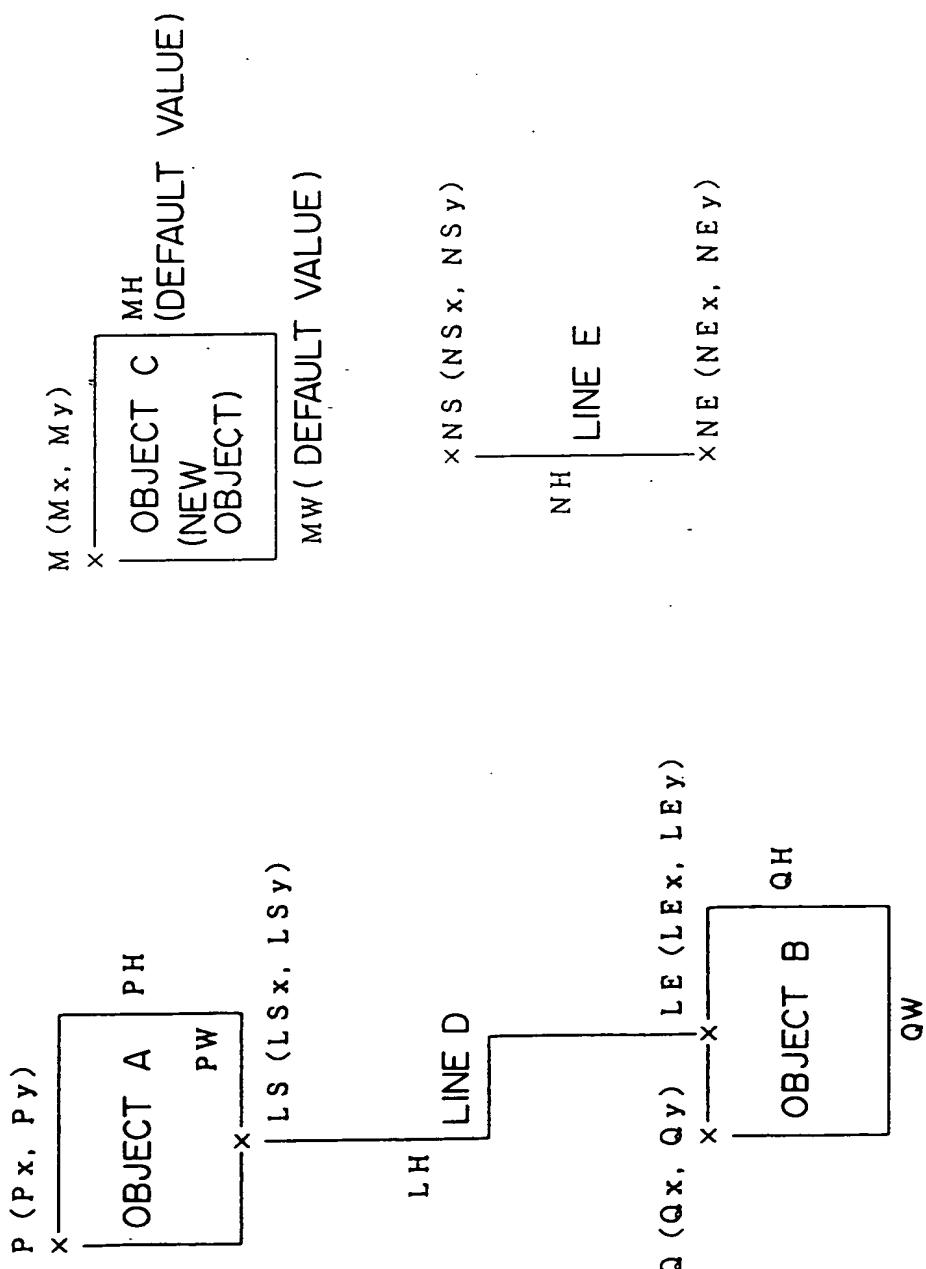
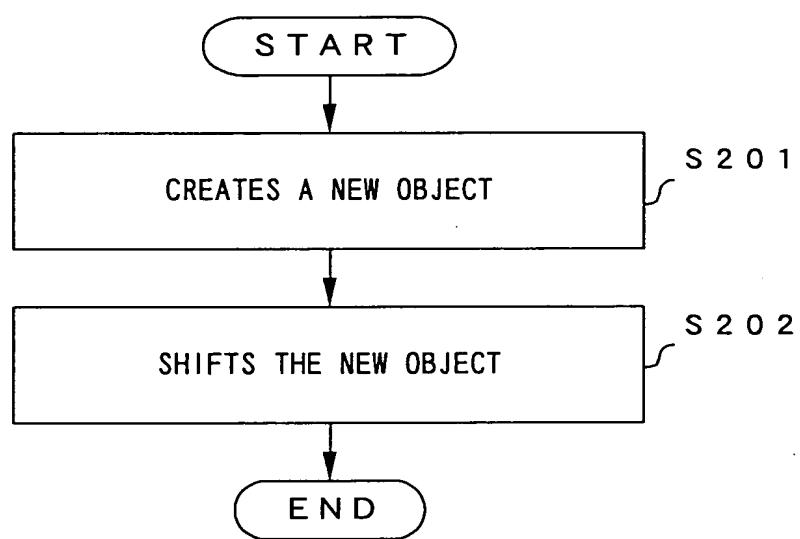


FIG. 39

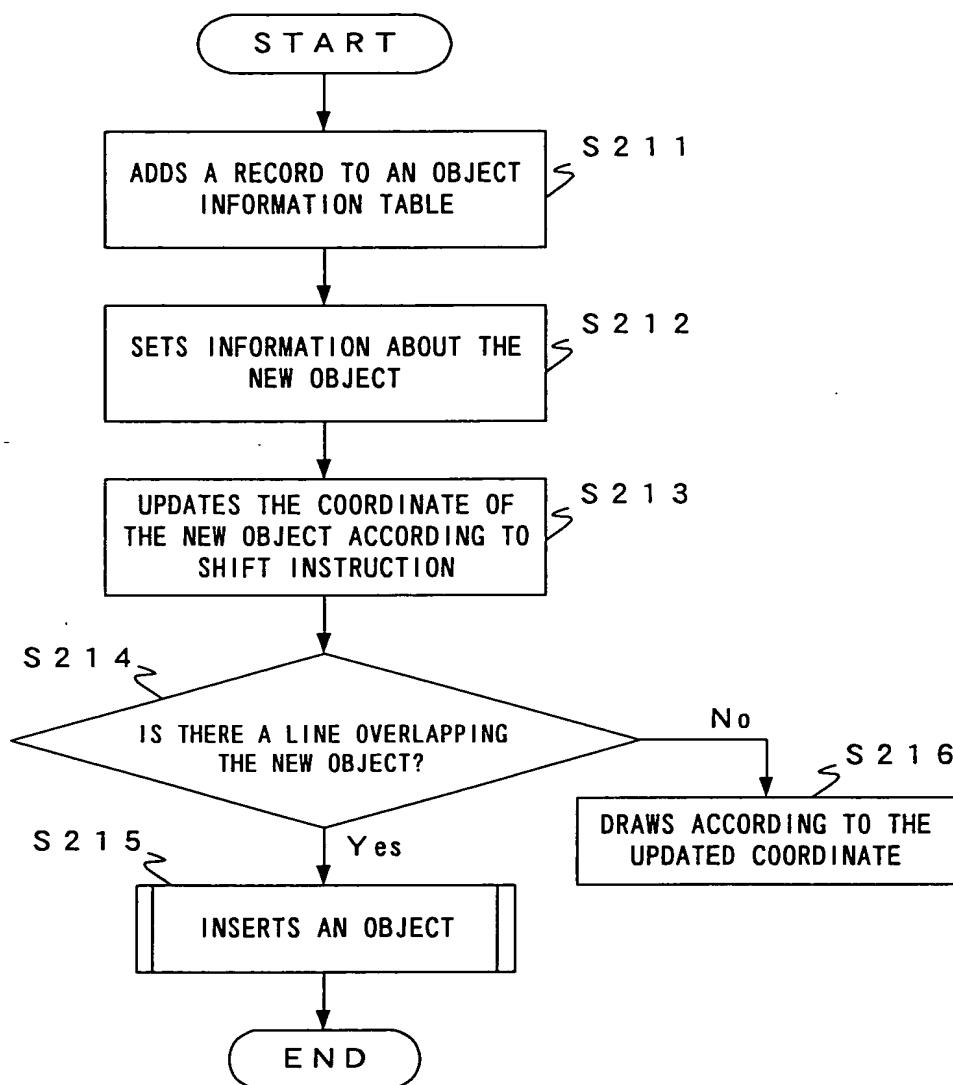
APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIGURE 40 OF 30



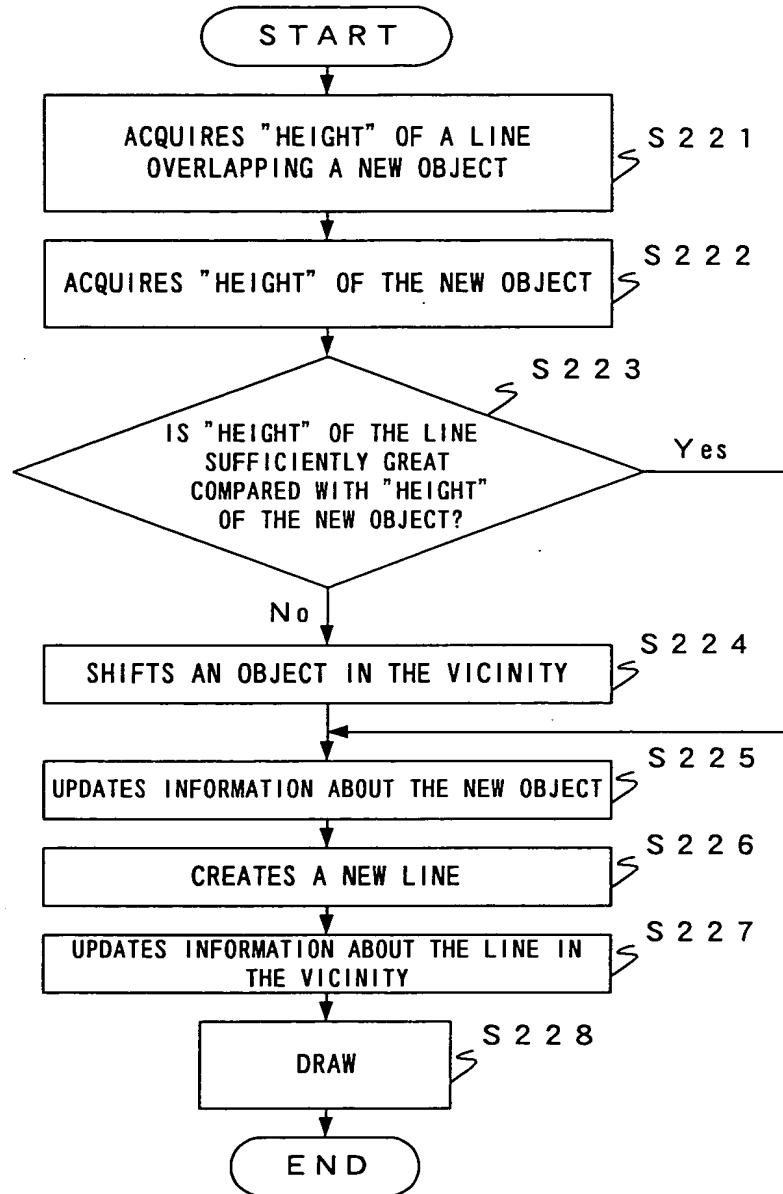
F I G. 4 0

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	



F I G. 4 1

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	



F I G. 4 2

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

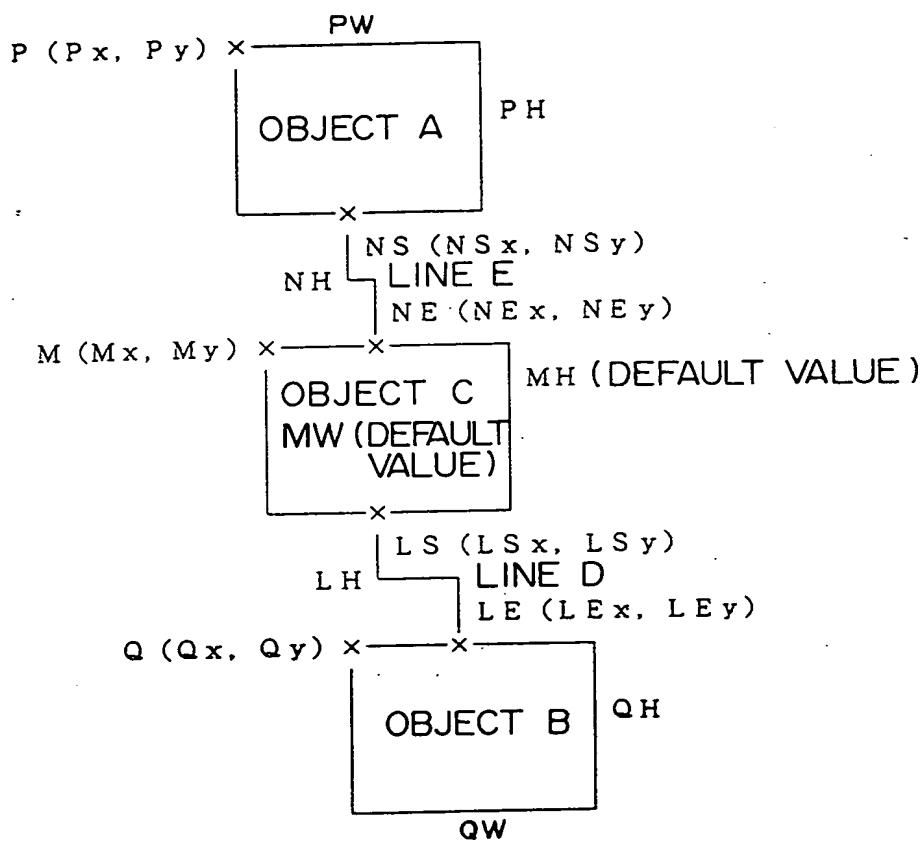


FIG. 43

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

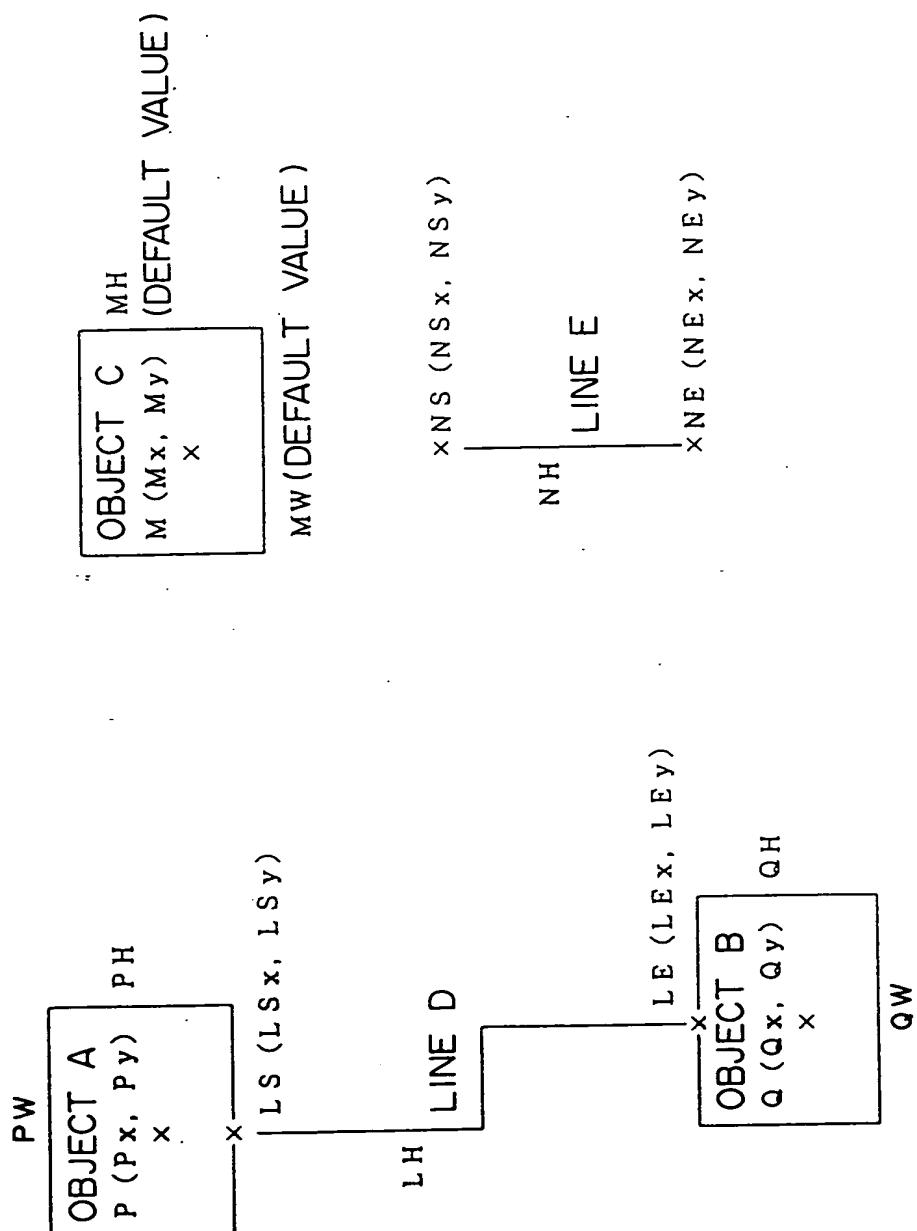


FIG. 44

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

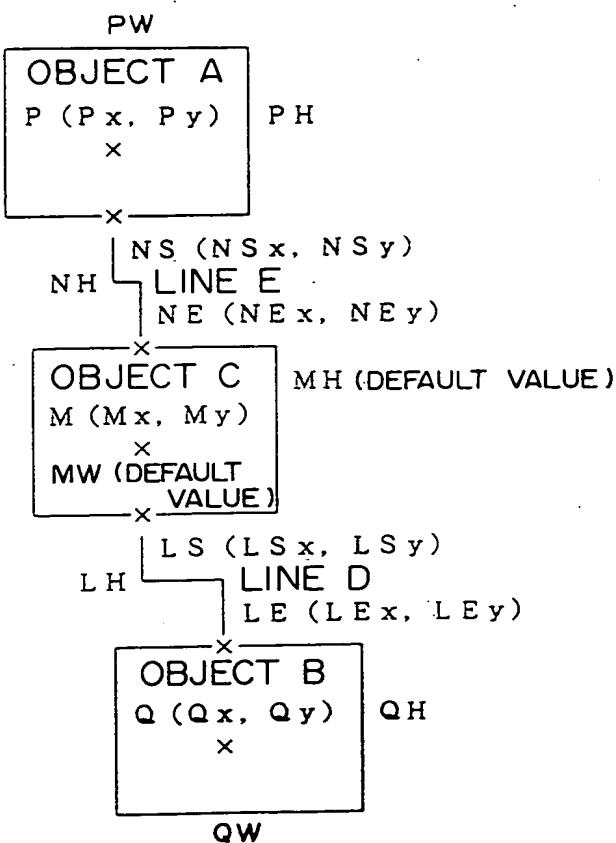


FIG. 45

APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

FIG. 46A

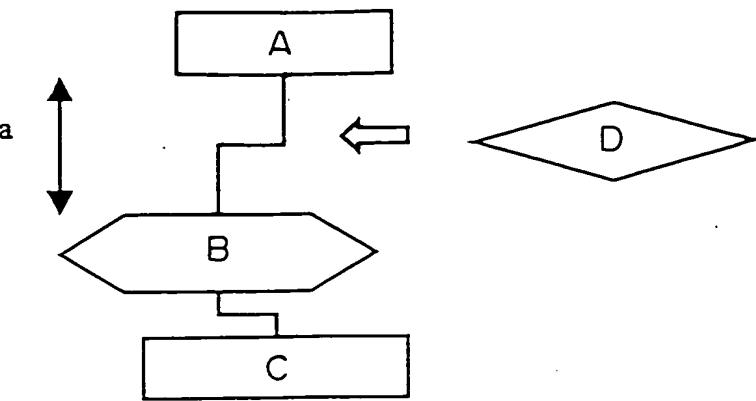


FIG. 46B

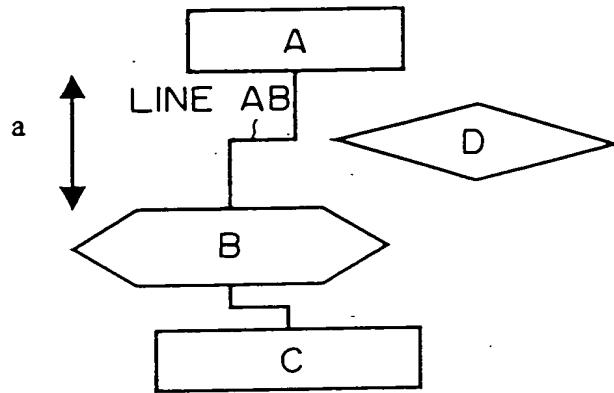
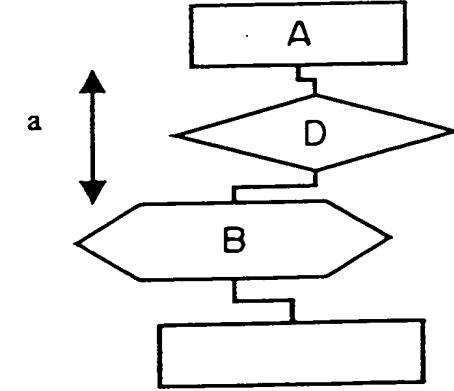
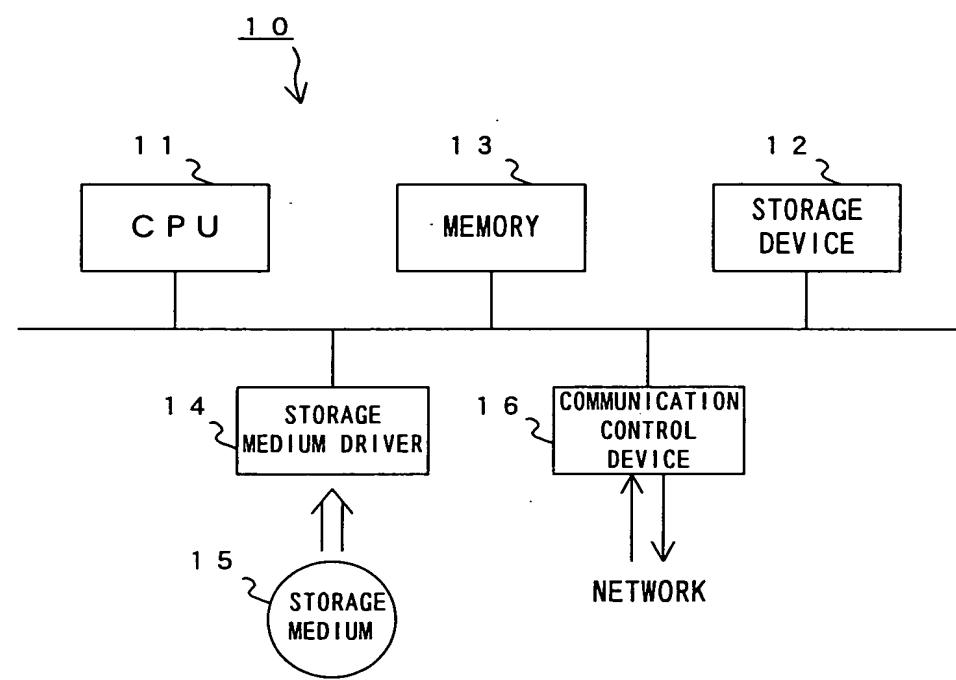


FIG. 46C



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		



F I G. 4 7

APPROVED	O.G. FIG.
BY	CLASS
DRAFTSMAN	SUBCLASS

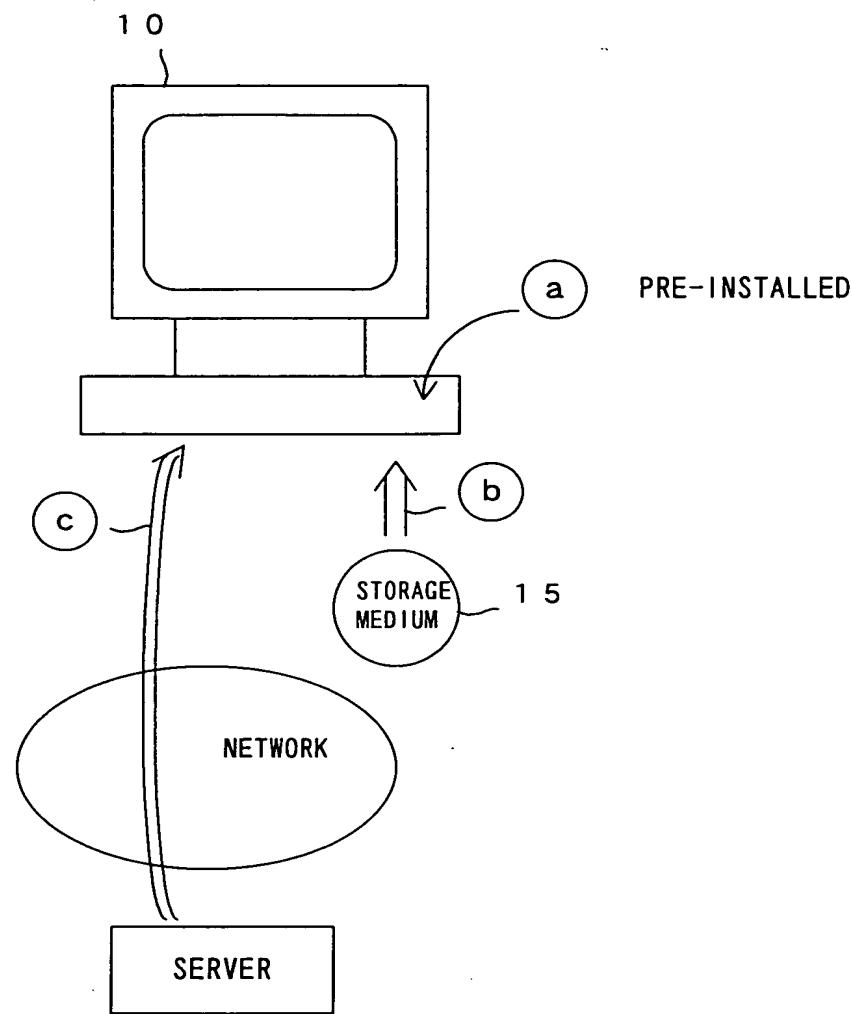


FIG. 48